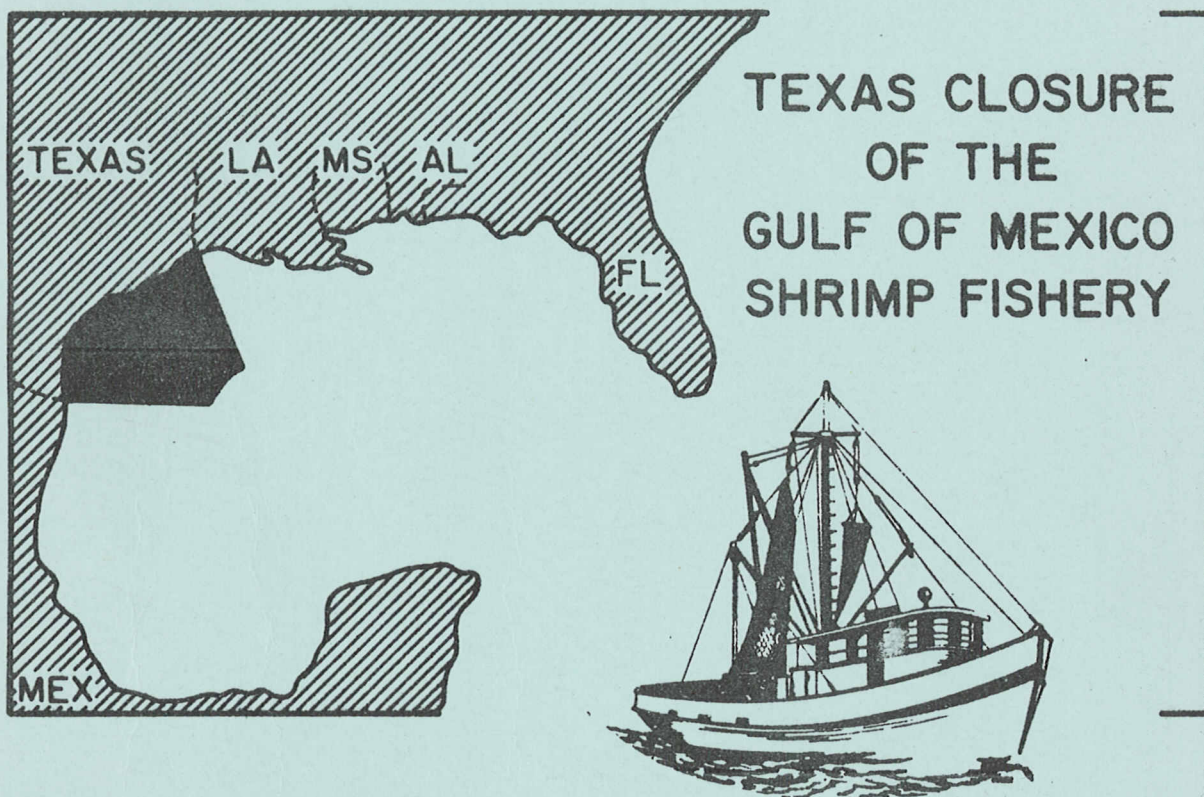




# VESSEL ACTIVITY RELATIVE TO THE TEXAS CLOSURE, 1981 and 1982



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Malcolm Baldrige, Secretary



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
John V. Byrne, Administrator

NATIONAL MARINE FISHERIES SERVICE  
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## Introduction

A quantitative description of shrimp vessel activity in the Gulf of Mexico relative to the Texas closure in 1981 and 1982 has been prepared to address the following socioeconomic questions that have been raised about the closure:

- 1) Are Louisiana ports more heavily utilized because of the Texas closure?
- 2) Are Louisiana offshore fishing grounds more heavily utilized because of the Texas closure?
- 3) Are vessels being prevented from fishing by the Texas closure?
- 4) Are benefits of the closure accruing to only a small proportion of the fleet?

Some insight on all of these questions was obtained by an analysis developed expressly for this purpose and applied to 1981 and 1982 data. Definitive conclusions regarding some of the questions may be possible by applying the analysis to previous years and comparing results for post-closure and pre-closure years.

The analysis of shrimp vessel activity relative to the Texas closure has three parts. The analysis used the Gulf coast shrimp landings data base maintained on computer by the Southeast Fisheries Center, National Marine Fisheries Service, Miami, Florida.

### Part I. Distribution of Trips According to Fishing Area and Landing Port

The number of offshore trips in the northern Gulf of Mexico (official NMFS shrimp grid zones 10-21)(Figure 1) from May through August of 1981 and 1982 was tallied according to year, month, grid unit (fishing area) and port unit (landing area). Defined port units were as follows: Alabama-Mississippi (combined), Louisiana, Texas, and others. Defined grid units were: grids 10-12 (offshore of Alabama, Mississippi, and Louisiana east of the Mississippi River), grids 13-17 (offshore of Louisiana, west of the Mississippi River and the eastern edge of Texas), and grids 18-21 offshore of Texas). The number of vessels, pounds and value of brown shrimp, and pounds and value of other shrimp involved in these trips were also tallied by year, month, grid unit, and port unit.

The proportion of trips taken to each grid unit each year and the number of trips taken in each month of each year are given in Table 1. Shown in Table 2 is the proportion of trips to the three grid units each month, and in Tables 3 and 4, the proportion of trips to the three grid units according to landing-port unit. The proportion of trips to waters offshore each state that were terminated in other states -- for instance, the proportion of trips to waters offshore Louisiana that terminated in Texas ports and vice versa can be seen in Tables 3 and 4.

From May through August of 1981, shrimp vessels made 13,252 trips to the offshore waters of the Gulf of Mexico (excluding the trips recorded on consolidated records). More than half (52.81%) were made within grid unit 13-17 (offshore Louisiana west of the Delta and the eastern edge of Texas, Table 1. During May, Texas was the landing port for 14.35% of trips made to grid unit 13-17. The percentage increased to 26.50% in June and 41.12% in July. It decreased to 9.24% in August (Table 3). The number of trips involved is given in Table 5.

From May through August 1982, 12,853 trips to the offshore waters of the Gulf of Mexico (excluding trips recorded on consolidated records) were made. Nearly half (48.15%) were within grid unit 13-17. Of these, 12.84% terminated in Texas in May, 35.19% in Texas in June, 41.43% in Texas in July, and 21.28% in Texas in August (Table 4). See Table 6 for number of trips by grid unit and port.

The number of vessels fishing in grid unit 13-17 and landing in Texas in June and July can be seen in Table 7 for 1981 and Table 8 for 1982. More of the vessels fishing this grid unit landed in Texas than in Louisiana in July of 1981.

Pounds of brown shrimp, by grid unit and state, are given for 1981 in Table 9 and for 1982 in Table 10. During June and July of 1981, the pounds of brown shrimp from grid unit 13-17 (offshore waters only) landed in Texas were greater than that landed in Louisiana. This was not the case in 1982. The pounds of "other" shrimp (mainly white shrimp) from grid unit 13-17 (offshore only) landed in Texas was considerably less than that landed in Louisiana in all four months of both years (Tables 11 and 12).

Grid unit 18-21 (offshore of Texas) was more heavily utilized than grid unit 13-17 only during August 1981, but during both July and August 1982 (Table 2). Only a small percentage (less than 7%) of trips to Texas grids (18-21) terminated in Louisiana in July or August of either year (Tables 3 and 4). The number of vessels fishing grid unit 18-21 and landing in Louisiana was small relative to the number landing in Texas. The percentage of total vessels fishing in Texas that landed in Louisiana was 8.8% in July 1981, 9.5% in August 1981, 8.4% in July 1982, and 9.8% in August 1982 (Tables 7 and 8). Approximately 6% of the pounds of brown shrimp caught in grid unit 18-21 in August 1981 was landed in Louisiana. The proportion was 9% in 1982.

Revenues from brown shrimp and other shrimp, by grid unit and port unit, for 1981 and 1982 are given in Tables 13, 14, 15, and 16.

## Part II. Port-Use Categories, Grid-Use Groups, and Within-Month Port Use

Fifteen port-use categories were defined on the basis of the landing states of individual vessels from May through August. Port-use categories consist of combinations of port units. Port units are the same as those defined in Part I. Fifteen port-use categories are listed in Table 17.

Vessels were classified on the basis of fishing trips in the northern Gulf of Mexico (adjacent to Texas, Louisiana, Mississippi, Alabama, and the northwestern tip of Florida). The three grid units for this analysis are the same as those defined for the Part I analysis. Grid-use groups were defined as all possible combinations of the three grid units. The grid-use groups are listed in Table 17. Records for trips to grids other than 10 through 21 were not used in this analysis.

The number of vessels in each port-use category was counted (Tables 18 for 1981 data and Table 27 for 1982 data). The number in each category was tallied twice for each year: once for all vessels and once for only those vessels making offshore trips (records for inshore trips were excluded). Both counts are shown in the two tables. Excluding inshore trips eliminated 353 vessels from the 1981 analysis and 425 vessels from the 1982 analysis. Since some vessels make both inshore and offshore trips and the Texas Closure could potentially influence the activities of these vessels in inshore as well as offshore waters, the Part II analysis was performed using both inshore and offshore records.

The relative number of vessels in each port-use category was similar for the two years. Category 1, vessels fishing Texas only, made up the largest number. Category 2, those fishing Louisiana exclusively, was second in number, and category 4, vessels fishing only in Alabama-Mississippi, was third. This was true whether or not inshore vessels were included. In both years, the Alabama-Mississippi group had the highest proportion of vessels that fished only in inshore waters.

To provide further detail, the vessels in each port-use category were counted according to the grid units they had fished during the four-month period (Tables 19 and 28). A vessel was counted in a grid-use group if it had fished within all the grid units comprising that grid-use group. The greatest number of vessels belonged in grid-use group 3 (grids 13-17 and 18-21).

A still greater level of detail on vessel movements was obtained by counting vessels in each category according to the port-use groups and grids-use groups of each within each month. This information is presented in Tables 20 through 26 for 1981 and Tables 29 through 35 for 1982. There is a separate table for each port-use category each year.

The most interesting port-use categories to follow with respect to the Texas Closure are those that include Texas and one or more of the other northern Gulf states. These are categories 3 (Texas-Louisiana)(Tables 22 and 31), 5 (Alabama/Mississippi-Texas)(Tables 24 and 33) and 7 (Alabama/Mississippi-Louisiana-Texas)(Tables 26 and 35). (Categories including "Other" are uninteresting because they include so few vessels.) A possible effect of the Texas Closure can be seen in the table for the Texas-Louisiana port-use category (Table 22 for 1981 and Table 31 for 1982.) The vessels were concentrated off Louisiana in June, when Texas was closed. In June 1981, most (153) were landing only in Louisiana, but 42 were making landings in both states, and 17 were landing exclusively in Texas. The number of

vessels landing only at Louisiana ports in June 1981 was an increase of about one third over that in May and about 5 times greater than that in July. The picture is similar for 1982. Increased use of Louisiana ports in June appears to be true only for vessels in the Texas-Louisiana port-use category and not for Alabama/Mississippi-Louisiana-Texas vessels (Tables 26 and 35).

Of the vessels in the Texas-Louisiana port-use category, more than 90% that fished off Texas in July and August 1981 landed their catches at Texas ports. Less than 10% of this group landed their Texas catches in Louisiana (Table 22). The percentage of vessels in this category that landed Texas catches at Louisiana ports, although lower in July 1982, increased to double that of 1981 in August 1982 (Table 31). The total number of vessels in this category that fished solely off Texas for the entire month was twice as great in 1982 as in 1981 for July but lower by one-third for August.

Alabama/Mississippi-Texas vessels (category 5) that fished exclusively in Texas in July and August 1981 and 1982 landed all their catches in Texas during these months (Tables 24 and 33). In both years, more vessels in this category fished exclusively in Texas in August than in July.

No tables are shown for port-use categories 8 through 15, the categories including "Other", because of the low number of vessels in these categories.

### Part III. Active Vessels Inside and Outside the Area of Closure Before, During, and After the Closure

The Texas Closure of 1981 extended from May 22 through July 15 (effective calendar days). In the Part III analysis, the period from May 1 through August 31 was broken into three segments: May 1 through May 21 (prior to closure), May 22 through July 15 (during closure), and July 16 through August 31 (following closure).

The Texas Closure of 1982 extended from May 25 through July 13 (effective calendar days). In the Part III analysis, the period from May 1 through August 31 was broken into three segments: May 1 through May 24 (prior to closure), May 25 through July 13 (during closure), and July 14 through August 31 (following closure).

In the Part III analysis, trips were classified according to landing date relevant to the closure (before, during, or after) and whether they took place in Texas waters (grids 18-21) or elsewhere (grids 1-17 or grid 22). Grids 1-17 are in the U. S. Gulf of Mexico. Approximately half of grid 17 is in Texas, but the rest is in Louisiana. Grid 22 was specially designated for this analysis only, to represent other areas (e.g., off the South Atlantic States).

Four types of trips were recognized: Texas before, Anywhere during, Texas after, and Elsewhere after (the closure) (Figure 2). Only offshore trip records were used. The number of vessels in each of these categories was counted. It was possible for the same vessel to be counted in more than



one category. Vessels that fished only before the closure and outside of Texas were not counted in any category.

Exclusive groups made up of all possible combinations of the four trip categories were established. There were 15 exclusive groups in all. The group to which each vessel belonged was determined by the types of trips it made. Vessels made trips of only one type or they made trips of any combination of two or more types. The number of vessels in each exclusive group was counted. No vessel was counted in more than one group. Some of the groups, by themselves, are not very relevant to the analysis; however, the detailed breakdown into all possible exclusive groups makes it possible to combine the groups in any number of meaningful ways. Combined groups of particular interest were as follows:

Those fishing Texas before and after the closure

Those fishing only in Texas after the closure

Those fishing only elsewhere after the closure

Those fishing both Texas and elsewhere after the closure

Those fishing either in Texas or elsewhere after the closure.

The number of vessels making each type of trip and the number of vessels in each exclusive group are given in Table 36. The number of vessels in the combined groups of particular interest are given in Table 37. The sum of the second, third and fourth groups equals the fifth group. An additional group, all vessels that fished in Texas after the closure, is the sum of the second and fourth groups. To provide further definition, these groups were subdivided into those that had fished during the closure and those that did not fish during the closure. The number of vessels in each combined group and subgroup is shown for both 1981 and 1982 in Table 37. Footnotes indicate the exclusive groups combined to calculate each value.

Approximately 3,258 vessels fished in the offshore waters of the Gulf of Mexico from May 1 through August 31, 1981. Only 293 vessels were fishing offshore of Texas immediately prior to the closure. During the closure, 2,463 vessels fished somewhere in the offshore waters of the Gulf of Mexico, including Texas (where they presumably were catching white shrimp in shallow coastal waters). A total of 1,628 vessels fished offshore of Texas following the closure, while 1,442 vessels fished in other offshore waters of the Gulf of Mexico during this time (Table 36).

Approximately 3,148 vessels fished in the offshore waters of the Gulf of Mexico from May 1 through August 31, 1982. Only 472 vessels were fishing in waters offshore of Texas immediately prior to the closure. During the closure, 2,314 vessels fished somewhere in the offshore waters of the Gulf of Mexico, including Texas. A total of 1,692 vessels fished in waters offshore of Texas following the closure, while 1,417 vessels fished outside of Texas during this time (Table 36).

A total of 2,632 vessels fished after the 1981 Texas closure. Of these, 45% fished only in Texas, 38% fished only elsewhere, and 17% fished both in Texas and elsewhere. Twenty-six percent of the vessels fishing after the closure had not fished during the closure. Of these, 53% fished only in Texas after the closure. Of the small number of vessels fishing in Texas before the closure, 95% fished in Texas after the closure. All but a few (13%) were active during the closure (Table 37).

A total of 2,545 vessels fished after the 1982 Texas closure. Of these, 44% fished only in Texas, 34% fished only elsewhere, and 21% fished both in Texas and elsewhere. Comparison of 1981 and 1982 figures suggests that approximately 100 vessels that fished only in Texas or only elsewhere in 1981 fished both places in 1982. Eighty-seven fewer vessels were fishing after the closure of 1982 compared to 1981 (Table 37).

The location of fishing activity during the closure by vessels that fished in Texas after the closure is given in Table 38 for 1981 and Table 39 for 1982. In 1981, 2,836 trips were made by 1,210 vessels during the closure. Of these, 46% were made to grid 17 (western Louisiana and the eastern edge of Texas). In 1982, 2,911 trips were made by 1,249 vessels during the closure. A lower percentage (29%) was made to grid 17 that year. During both years, more trips were made to grid 17 than to any other grid. In 1981, grids with the heaviest usage during the closure (by vessels that fished offshore of Texas after the closure), listed in order, were grids 17, 16, 15, 11, 2, 14, and 4, all of which experienced more than 100 trips during the period of closure - approximately 7 weeks. Grids with the heaviest usage during the closure of 1982, listed in order, were 17, 16, 11, 15, 18, and 2, all of which experienced more than 100 trips. Presumably, trips to grid 18, which is in Texas, were directed at white shrimp near to shore.

Tables 40 and 41 show the number of trips and number of active vessels in Texas each week from the end of the closure until August 31. The pattern of effort, as indicated by plots of the number of trips each week (Figure 3), is almost identical for the two years during the first three weeks. For both years, the peak in effort occurred in the 2nd week after Texas was opened. After that, effort dropped abruptly in 1982, whereas the decline was gradual in 1981. The biggest difference between the two years was in the 7th week following the closure, when effort increased in 1981 but greatly decreased in 1982. Throughout the period from the end of closure to August 31, there were fewer vessels fishing in Texas in 1982 than in 1981. The difference in number of vessels between the two years was smallest in the 6th week, when there were only 10 fewer vessels in 1982, and greatest in the last week, when there were 270 fewer vessels in 1982 than in 1981.

In Tables 42 and 43, vessels are partitioned according to the number of trips they made to the area offshore of Texas between the date of opening and August 31, 1981 and 1982. Of the 1,628 vessels fishing offshore of Texas after the closure of 1981 (July 16 - August 31), 421 made only one trip (or only part of a trip). In 1982, 550 vessels made only one trip (or part of a trip) to waters offshore of Texas after the closure (July 14 - August 31). Some, but not all, of these vessels may have fished in other waters during



this period. Vessels that make few trips are a phenomenon of the shrimp fishery that was noted in previous analyses of the mobility of the shrimp fleet (Fonyo et al. 1981a,b). Vessels that made only a part of a trip to the area (grid unit 18-21) spent the rest of the trip in some other area (probably grid unit 13-17).

The greatest number of trips was 18 by one vessel in 1981 and 13 by one vessel in 1982. More than half of the vessels that were active in the area after the closure made 3 or more trips in 1981. Thirty-eight percent made 3 or more trips in 1982.

Tables 44 and 45 partition vessels that fished offshore of Texas after the closure of 1981 and 1982 according to the number of days between their first and last trips to the area (as indicated by landing dates) within the approximately 7-week period from opening to August 31. The maximum possible number of days in 1981 was 47. The maximum possible number of days in 1982 was 49. This statistic gives a rough indication of the duration that vessels used the area after it opened, if we assume that vessels did not leave the area and return within this time, (which may not always have been the case). In 1981, 68% of the vessels active in the area spent at least 15 days there (Table 44). In 1982, more than 58% of vessels active in the area spent at least 15 days there (Table 45). The phenomenon of a number of vessels making only one trip is also apparent in this statistic.

Total effort off Texas after the area was opened to shrimping was greater in 1981 than in 1982, according to the number of trips. A total of 4,425 trips to this area was made in 1981; 3,849 trips were made in 1982. The number of trips offshore of Texas after the closure in 1981 was 1.56 times greater than the number of trips throughout the Gulf of Mexico during the closure. It was 1.32 times greater than effort during the closure of 1982 (Tables 38-41).

## Summary of Results

1. More than half (52.81%) of the offshore trips in the northern Gulf of Mexico from May through August 1981 were to western Louisiana (west of the Mississippi Delta) and the eastern edge of Texas (grid unit 13-17). Almost half (48.15%) were to that area in the same period of 1982.
2. Texas was the landing port for 26.50% of trips to western Louisiana and the eastern edge of Texas (grid unit 13-17) in June 1981 and 41.12% in July 1981. Texas was the landing port for 35.19% of trips to this area in June 1982 and 41.43% in July 1982. The proportion of trips to this area that landed in Texas was much lower in May and August of both years. (An exception was August 1982 when the percentage was 21.28%.)
3. More of the vessels fishing in western Louisiana and the eastern edge of Texas in July 1981 landed in Texas than landed in Louisiana.
4. The poundage of brown shrimp from waters offshore of Louisiana that was landed in Texas was greater than that landed in Louisiana in June and July of 1981 (but not 1982).
5. The area offshore of Texas (grid unit 18-21) was more heavily utilized than western Louisiana and the eastern edge of Texas (grid unit 13-17) only during August 1981 but during both July and August 1982.
6. Less than 7% of trips to offshore Texas waters (grid unit 18-21) terminated in Louisiana in July or August of either year. The number of vessels fishing offshore of Texas and landing in Louisiana was small relative to the number landing in Texas.
7. Approximately 6% by weight of the brown shrimp caught offshore of Texas in 1981 was landed in Louisiana. The proportion was 9% in 1982.
8. The use of Louisiana ports by vessels fishing in Louisiana that, over the four-month period, landed in both Louisiana and Texas was greatest in June of both years, but was also high in May, in comparison to July and August.
9. Only 278 vessels in 1981 and 432 vessels in 1982 fished in Texas both immediately before and after the closure. Of these, only 39 in 1981 and 65 in 1982 were inactive during the closure.
10. Of the 2,632 vessels that were active following the Texas Closure of 1981 (July 16-August 31), 45% fished only in Texas, 38% fished only elsewhere, and 17% fished both in Texas and elsewhere. All together, 62% of the vessels that were active following the closure fished in Texas.
11. Of the 2,545 vessels that were active following the Texas closure of 1982 (July 14-August 31), 44% fished only in Texas, 34% fished only elsewhere, and 21% fished both in Texas and elsewhere. All together, 65% of the vessels that were active following the closure fished in Texas.

12. Eighty-seven fewer vessels were fishing after the closure of 1982 compared to 1981.

13. In both 1981 and 1982, more fishing activity during the closure by vessels that fished Texas after the closure occurred in grid 17 (western Louisiana and the eastern edge of Texas) than in any other offshore fishing area. In 1981, 46% of trips made during the closure by vessels that fished in Texas after the closure were made to grid 17. In 1982, 29% of trips during the closure made by vessels that fished Texas after the closure were in grid 17.

14. For the first three weeks after Texas opened, the level of effort was almost identical in 1981 and 1982. Effort dropped abruptly to a lower level after week 2 in 1982, whereas it declined gradually from week 2 to week 6 in 1981. The level of effort rose the 7th week after the closure in 1981 but plunged the 7th week in 1982.

### Conclusions

The exclusive use of Louisiana ports by vessels that were known to use other ports (based on records for the 4-month period from May through August) was highest in June of both years, although higher in May than in July or August. The closure, which was in effect throughout the month of June, was probably responsible for the increased usage of Louisiana ports by these vessels in June. The relatively high usage during May, although the closure was not in effect until the last few days of May, suggests that the closure only intensified an established pattern.

Approximately 50% of the vessels fishing in Louisiana in June and July of both years landed their catches in Texas. This suggests that a significant number of vessels based primarily in Texas were fishing offshore of Louisiana during the closure. Calculation of the same statistics for previous years would be necessary to determine conclusively whether this usage of Louisiana waters by Texas vessels in June and July of 1981 and 1982 was an effect of the closure.

Grid 17, which lies both in western Louisiana and eastern Texas, was the most heavily utilized fishing area during the closure for vessels that fished the waters off Texas when they opened. Presumably, most of the trips to grid 17 during the closure were to the portion off Louisiana. The fact that fishing by this group of vessels was concentrated just outside the closed area suggests that (1) these vessels were waiting for waters off Texas to open, (2) these vessels would have been fishing in waters off Texas had they been open, and (3) the pressure of fishing in grid 17 was higher than it would have been had waters off Texas been open.

Vessels that landed their catch in Louisiana formed a small porportion (less than 10%) of the vessels that fished in Texas following the closure. Louisiana vessels, if they fished in Texas after the closure, landed most of their catch in Texas.

Very few vessels were directly displaced by the Texas Closure. 287 vessels in 1981 and 432 vessels in 1982 fished offshore of Texas both before and after the closure. Only 39 of these vessels in 1981 and 65 of these vessels in 1982 did not fish during the closure. These were the only vessels that could possibly have been inactivated by the closure.

More than half of the vessels that were active in offshore waters of the Gulf of Mexico following the closure of both years fished in the area of the closure. Only 38% in 1981 and 34% in 1982 did not fish offshore of Texas after the closure. This suggests that benefits of the closure, if there were any, were realized by 62% of active vessels in 1981 and 66% of active vessels in 1982.

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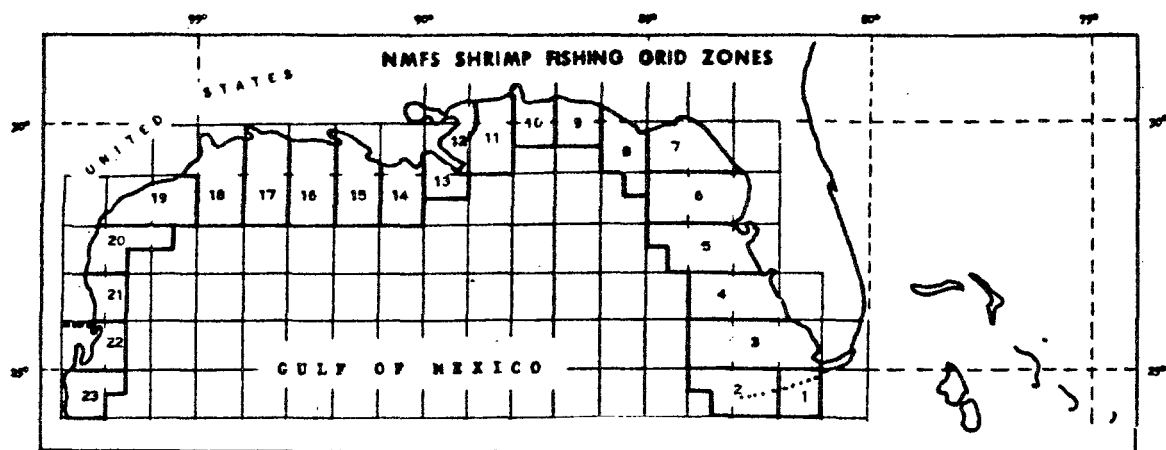
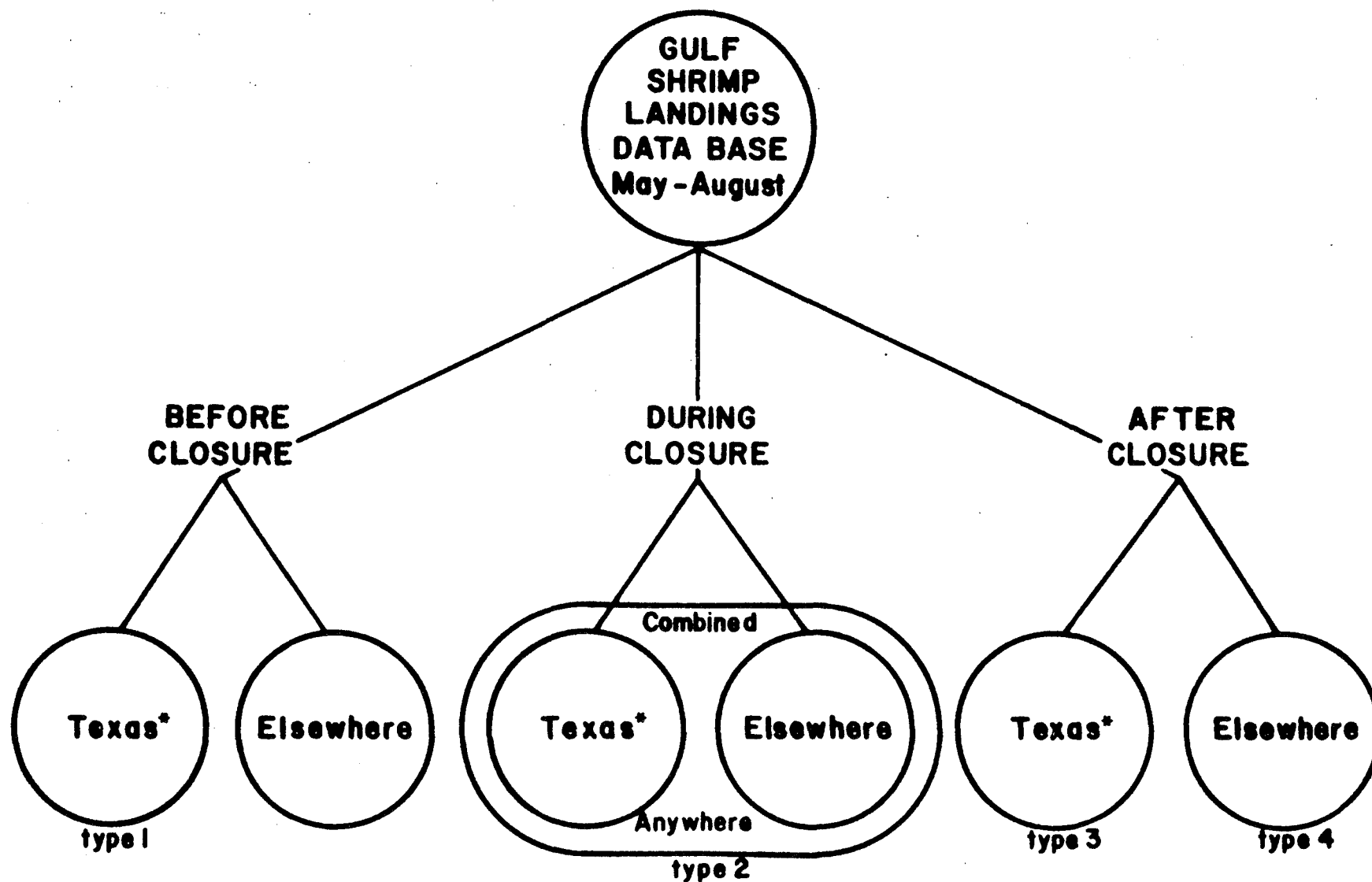


Figure 1. Official grid zones of the National Marine Fisheries Service for compilation of shrimp catch and effort data.



\*Grids 18-21

Figure 2. Types of trips in the Gulf of Mexico from May through August of 1981 and 1982, based on time and location relative to the Texas Closure.

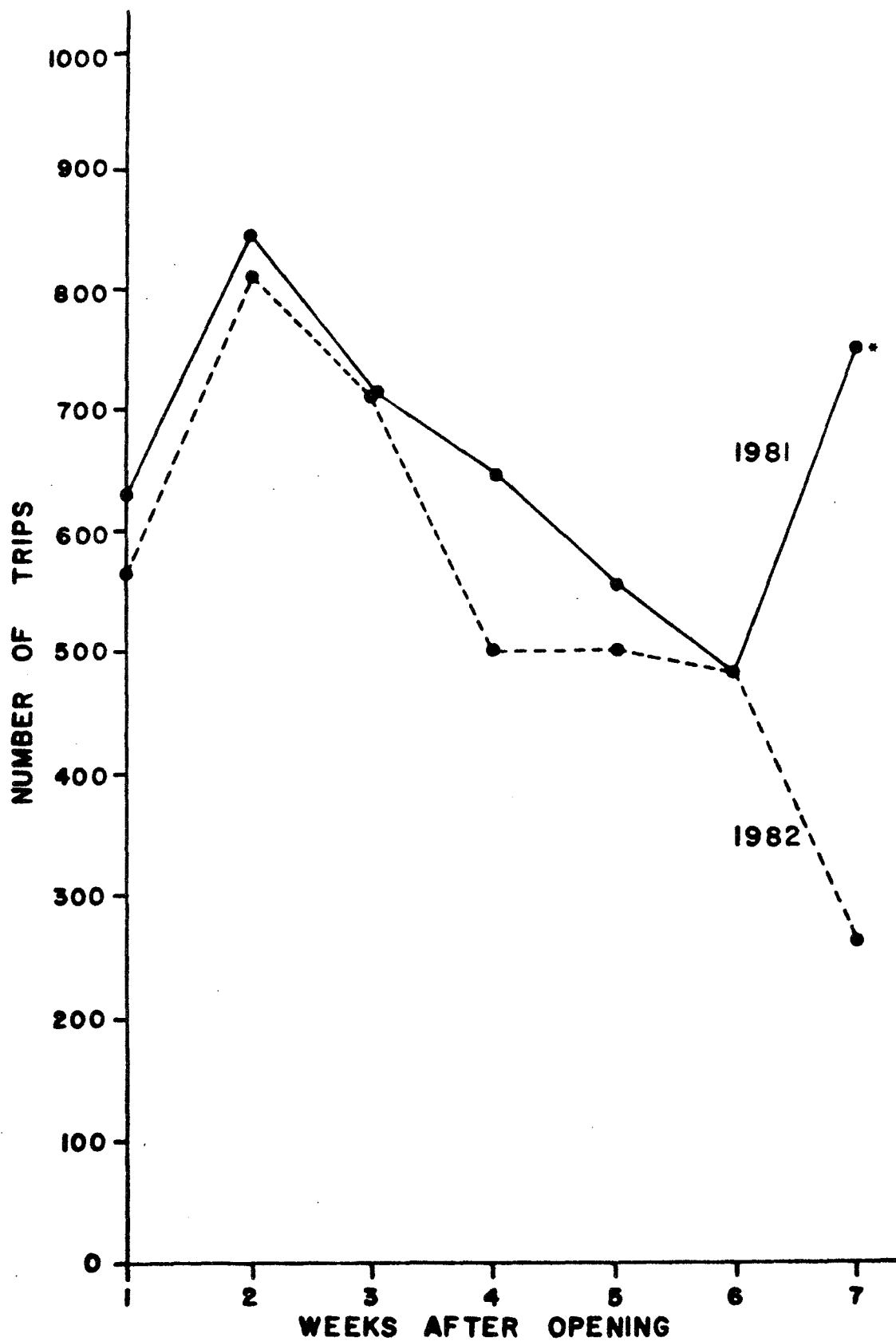


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Table 1A. Number of offshore trips to each grid group, May through August, 1981 and 1982

Grid	1981		1982	
	Number	Percent	Number	Percent
10-12	1,231	9.29	1,572	12.23
13-17	6,999	52.81	6,189	48.15
18-21	5,023	37.90	5,092	39.62
Total	13,253	100.00	12,853	100.00

Table 1B. Number of offshore trips each month, May through August, 1981 and 1982

Month	1981		1982	
	Number	Percent	Number	Percent
May	2,107	15.90	2,723	21.19
June	2,617	19.75	2,720	21.16
July	4,228	31.90	3,804	29.60
August	4,301	32.45	3,606	28.06
Total	13,253	100.00	12,853	100.00

Table 2. Number of offshore trips to each grid each month, 1981 and 1982

1981 Grids	May		June		July		August	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
10-12	153	7.26	525	20.06	384	9.08	169	3.93
13-17	1,456	69.10	2,019	77.15	2,150	50.85	1,374	31.95
18-21	498	23.64	73	2.79	1,694	40.07	2,758	64.12
All	2,107	100.00	2,617	100.00	4,228	100.00	4,301	100.00
1982 Grids	May		June		July		August	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
10-12	277	10.17	509	18.71	427	11.23	359	9.96
13-17	1,433	52.63	2,029	74.60	1,557	40.93	1,170	32.45
18-21	1,013	37.20	182	6.69	1,820	47.82	2,077	57.60
All	2,723	100.00	2,720	100.00	3,804	100.00	3,606	100.00

Table 3. Percentage of offshore trips, May through August, 1981, by month, grid, and port.

Months Grids 10-12	Percent Total <sup>a</sup>		
	ALA/MS	LA	TX
May	96.73	3.27	0
June	92.00	4.76	.38
July	93.47	2.60	1.82
August	96.45	3.55	0
All	93.66	3.74	.73
Months Grids 13-17	Percent Total <sup>a</sup>		
	ALA/MS	LA	TX
May	7.97	77.68	14.35
June	6.34	67.06	26.50
July	6.60	52.28	41.12
August	12.08	78.68	9.24
All	7.89	67.01	25.08
Months Grids 18-21	Percent Total <sup>a</sup>		
	ALA/MS	LA	TX
May	0	.60	99.40
June	0	1.37	98.63
July	.53	6.20	93.27
August	1.12	5.22	93.44
All	.80	5.04	94.05

<sup>a</sup> Total of all port units listed may not add up to 100% because some landings were made outside the designated port units.

Table 4. Percentage of offshore trips, May through August, 1982, by month, grid, and port.

Months Grids	Percent Total <sup>a</sup>		
	ALA/MS	LA	TX
May	100.00	0	0
June	88.21	3.14	3.73
July	92.51	2.58	3.98
August	84.40	15.32	0
All	90.59	5.22	2.29
Months Grids 13-17	ALA/MS	LA	TX
May	10.68	76.48	12.84
June	2.41	62.05	35.19
July	.39	58.19	41.43
August	8.97	69.74	21.28
All	5.06	65.87	28.95
Months Grids 18-21	ALA/MS	LA	TX
May	0	.69	99.31
June	0	0	100.00
July	.82	5.71	93.46
August	.82	5.92	92.73
All	.63	4.60	94.56

<sup>a</sup> Total of all port units listed may not add up to 100% because some landings were made outside the designated port units.

Table 5. Distribution of trips in the northern Gulf of Mexico (shrimp grid 10-21) from May through August, 1981, by month, grid unit, and port unit.

YEAR 1981				
TRIPS FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	148	5	0	0
13-17	116	1131	209	0
18-21	0	3	495	0
TRIPS FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	483	25	2	15
13-17	128	1354	535	2
18-21	0	1	72	0
TRIPS FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	359	10	7	8
13-17	142	1124	884	0
18-21	9	105	1580	0
TRIPS FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	163	6	0	0
13-17	166	1081	127	0
18-21	31	144	2577	6
TRIPS FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	1153	46	9	23
13-17	552	4690	1755	2
18-21	40	253	4724	6

Table 6. Distribution of trips in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1982, by month, grid unit, and port unit.

YEAR 1982				
TRIPS FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	277	0	0	0
13-17	153	1096	184	0
18-21	0	7	1006	0
TRIPS FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	449	16	19	25
13-17	49	1259	714	7
18-21	0	0	182	0
TRIPS FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	395	11	17	4
13-17	6	906	645	0
18-21	15	104	1701	0
TRIPS FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	303	55	0	1
13-17	105	816	249	0
18-21	17	123	1926	11
TRIPS FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	1424	82	36	30
13-17	313	4077	1792	7
18-21	32	234	4815	11



Table 7. Distribution of active vessels in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1981, by month grid unit, and port unit.

YEAR 1981

NUMBER OF VESSELS FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	121	4	0	0
13-17	105	665	112	0
18-21	0	4	317	0

NUMBER OF VESSELS FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	331	19	2	14
13-17	102	736	386	1
18-21	0	1	41	0

NUMBER OF VESSELS FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	254	11	8	8
13-17	118	696	755	0
18-21	10	109	1124	0

NUMBER OF VESSELS FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	135	6	0	0
13-17	148	633	122	0
18-21	34	137	1273	6

NUMBER OF VESSELS FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	841	40	10	22
13-17	473	2730	1375	1
18-21	44	251	2755	6

Table 8. Distribution of active vessels in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1982, by month, grid unit, and port unit.

YEAR 1982				
NUMBER OF VESSELS FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	193	0	0	0
13-17	126	632	138	0
18-21	0	10	533	0
NUMBER OF VESSELS FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	313	16	21	23
13-17	43	733	538	7
18-21	0	0	82	0
NUMBER OF VESSELS FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	264	10	19	4
13-17	7	554	521	0
18-21	16	114	1224	0
NUMBER OF VESSELS FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	216	56	0	1
13-17	95	493	181	0
18-21	20	130	1171	12
NUMBER OF VESSELS FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	986	82	40	28
13-17	271	2412	1378	7
18-21	36	254	3010	12

Table 9. Distribution of pounds of brown shrimp caught in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1981, by month, grid unit, and port unit.

YEAR 1981				
POUNDS BROWN FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	226313	20884	0	0
13-17	376111	1072188	83985	0
18-21	0	1142	345370	0
POUNDS BROWN FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	1481562	92236	4025	115556
13-17	712559	1687776	1787827	8727
18-21	0	1130	2871	0
POUNDS BROWN FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	870744	19090	5908	34392
13-17	811515	1990744	2915328	0
18-21	135154	881853	8175489	0
POUNDS BROWN FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	378891	10422	0	0
13-17	861831	1302875	294080	0
18-21	335088	867277	12635467	42568
POUNDS BROWN FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	2957510	142632	9933	149948
13-17	2762016	6053583	5081220	8727
18-21	470242	1751402	21159197	42568

Table 10. Distribution of pounds of brown shrimp caught in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1982, by month, grid unit, and port unit.

YEAR 1982				
POUNDS BROWN FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	164777	0	0	0
13-17	340325	1077303	151996	0
18-21	0	1146	767480	0
POUNDS BROWN FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	1026254	32849	27504	102534
13-17	202123	1938956	1021270	16642
18-21	0	0	6427	0
POUNDS BROWN FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	1018814	30223	28120	12352
13-17	21205	1175776	990961	0
18-21	78391	342275	5191602	0
POUNDS BROWN FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	609777	105587	0	582
13-17	461140	527581	387338	0
18-21	149518	520147	4870250	37434
POUNDS BROWN FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	2819622	168659	55624	115468
13-17	1024793	4719616	2551565	16642
18-21	227909	863568	10835759	37434

Table 11. Distribution of pounds of shrimp other than brown shrimp caught in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1981, by month, grid unit, and port unit.

YEAR 1981				
POUNDS OTHER FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	67622	300	0	0
13-17	103961	1215116	128424	0
18-21	0	3890	188224	0
POUNDS OTHER FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	85231	21	0	1257
13-17	90330	867397	288381	0
18-21	0	1130	14873	0
POUNDS OTHER FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	19209	1750	0	978
13-17	44705	415276	103826	0
18-21	65	48796	138206	0
POUNDS OTHER FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	8347	1718	0	0
13-17	21219	938732	25615	0
18-21	761	51641	132339	1540
POUNDS OTHER FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	180409	3789	0	2235
13-17	260215	3436521	546246	0
18-21	826	105457	473642	1540

Table 12. Distribution of pounds of shrimp other than brown shrimp caught in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1982, by month, grid unit, and port unit.

YEAR 1982				
POUNDS OTHER FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	160511	0	0	0
13-17	93152	498706	53398	0
18-21	0	12275	431236	0
POUNDS OTHER FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	161608	1274	1753	1897
13-17	25220	534782	168608	3793
18-21	0	0	43481	0
POUNDS OTHER FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	43473	3520	203	0
13-17	681	154443	65617	0
18-21	955	31863	80608	0
POUNDS OTHER FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	12413	1307	0	0
13-17	3441	412052	18417	0
18-21	1440	33465	97176	0
POUNDS OTHER FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	378005	6101	1956	1897
13-17	122494	1599983	306040	3793
18-21	2395	77603	652501	0



Table 13. Distribution of gross revenues (dollars) from brown shrimp caught in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1981, by month, grid unit, and port unit.

YEAR 1981				
VALUE BROWN FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	374895	16242	0	0
13-17	706463	1059486	248061	0
18-21	0	2813	1284446	0
VALUE BROWN FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	3201761	141343	10524	223190
13-17	1587456	2596939	4190663	20019
18-21	0	1475	6072	0
VALUE BROWN FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	2258834	43191	13943	72599
13-17	2087066	3965831	6626545	0
18-21	300783	2294738	19562892	0
VALUE BROWN FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	1040653	22275	0	0
13-17	2359443	2762745	804022	0
18-21	860291	2208327	31568318	102785
VALUE BROWN FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	6876143	223051	24467	295789
13-17	6740428	10385001	11869291	20019
18-21	1161074	4507353	52421728	102785

Table 14. Distribution of gross revenues (dollars) from brown shrimp caught in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1982, by month, grid unit, and port unit.

YEAR 1982				
VALUE BROWN FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	525691	0	0	0
13-17	1103467	1787572	777787	0
18-21	0	2245	3948849	0
VALUE BROWN FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	2655144	75263	69507	301679
13-17	488022	3849830	3605924	73022
18-21	0	0	18052	0
VALUE BROWN FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	3158170	98610	78527	35754
13-17	71833	2375767	3667844	0
18-21	267411	1320589	19109409	0
VALUE BROWN FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	2976204	501008	0	2619
13-17	2210443	1551877	1776506	0
18-21	645506	2201617	22081041	146981
VALUE BROWN FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	9315209	674881	148034	340052
13-17	3873765	9565046	9828061	73022
18-21	912917	3524451	45157351	146981

Table 15. Distribution of gross revenues (dollars) from shrimp other than brown shrimp caught in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1981, by month, grid unit, and port unit.

YEAR 1981				
VALUE OTHER FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	291868	1294	0	0
13-17	520147	5274105	604155	0
18-21	0	17751	988000	0
VALUE OTHER FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	395519	90	0	5647
13-17	488194	3900027	1464391	0
18-21	0	4670	75383	0
VALUE OTHER FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	91422	9083	0	4471
13-17	235872	1795772	526047	0
18-21	271	262168	684090	0
VALUE OTHER FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	30950	3773	0	0
13-17	72696	1942251	59778	0
18-21	3386	223175	419360	6510
VALUE OTHER FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	809759	14240	0	10118
13-17	1316909	12912155	2654371	0
18-21	3657	507764	2166833	6510

Table 16. Distribution of gross revenues (dollars) from shrimp other than brown shrimp caught in the northern Gulf of Mexico (shrimp grids 10-21) from May through August, 1982, by month, grid unit, and port unit.

YEAR 1982				
VALUE OTHER FOR MAY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	841186	0	0	0
13-17	540648	2512191	295405	0
18-21	0	67616	2507121	0
VALUE OTHER FOR JUNE				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	760863	7056	4877	10703
13-17	144476	2776494	918496	20647
18-21	0	0	229540	0
VALUE OTHER FOR JULY				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	234590	21071	1092	0
13-17	3888	869048	363196	0
18-21	5225	189416	466033	0
VALUE OTHER FOR AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	71267	6156	0	0
13-17	19962	1378827	87954	0
18-21	8648	189493	545935	0
VALUE OTHER FOR MAY-AUGUST				
GRIDS	ALA/MS	LA	TX	OTHER
10-12	1907906	34283	5969	10703
13-17	708974	7536560	1665051	20647
18-21	13873	446525	3748629	0

TABLE 17

## PORT-USE CATEGORIES AND GRID-USE GROUPS

PORT-USE CATEGORIES	GRID-USE GROUPS
1. TX	1. 18-21
2. LA	2. 13-17
3. TX-LA	3. 13-17---18-21
4. ALA/MS	4. 10-12
5. ALA/MS-TX	5. 10-12---18-21
6. ALA/MS-LA	6. 10-12---13-17
7. ALA/MS-LA-TX	7. 10-12---13-17---18-21
8. OTHER	
9. TX-OTHER	
10. LA-OTHER	
11. LA-TX-OTHER	
12. ALA/MS-OTHER	
13. ALA/MS-TX-OTHER	
14. ALA/MS-LA-OTHER	
15. ALA/MS-LA-TX-OTHER	

TABLE 18

YEAR 1981		
NUMBER OF VESSELS IN EACH	PORT-USE CLASS	
	INSHORE & OFFSHORE	OFFSHORE ONLY
1. TX-----	1175	1171
2. LA-----	1036	960
3. TX-LA-----	294	296
4. ALA/MS-----	581	366
5. ALA/MS-TX-----	61	52
6. ALA/MS-LA-----	159	118
7. ALA/MS-LA-TX-----	22	18
8. OTHER-----	15	10
9. TX-OTHER-----	8	8
10. LA-OTHER-----	1	1
11. LA-TX-OTHER-----	1	1
12. ALA/MS-OTHER-----	6	5
13. ALA/MS-TX-OTHER----	1	1
14. ALA/MS-LA-OTHER----	0	0
15. ALA/MS-LA-TX-OTHER-	0	0
TOTAL-----	3360	3007

TABLE 19

YEAR 1981															
NUMBER OF VESSELS IN EACH PORT-USE CLASS ACCORDING TO GRID USE															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	443	17	3	2	0	0	0	2	1	0	0	0	0	0	0
G 2	54	860	24	33	0	12	0	0	1	0	0	0	0	0	0
R 3	672	112	265	10	5	7	2	0	1	0	0	0	0	0	0
I 4	0	31	0	393	0	3	0	13	0	0	0	5	0	0	0
D 5	4	0	0	3	27	5	0	0	3	0	0	1	0	0	0
S 6	0	13	0	130	2	111	1	0	0	1	0	0	0	0	0
7	2	3	2	10	27	21	19	0	2	0	1	0	1	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX
8. OTHER
9. TX-OTHER
10. LA-OTHER
11. LA-TX-OTHER
12. ALA/MS-OTHER
13. ALA/MS-TX-OTHER
14. ALA/MS-LA-OTHER
15. ALA/MS-LA-TX-OTHER

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 20

NUMBER OF VESSELS IN PORT-USE CLASS TX  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1981

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	236	0	0	0	0	0	0
G	2	64	0	0	0	0	0	0
R	3	27	0	0	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	34	0	0	0	0	0	0
G	2	311	0	0	0	0	0	0
R	3	9	0	0	0	0	0	0
I	4	2	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	361	0	0	0	0	0	0
G	2	94	0	0	0	0	0	0
R	3	505	0	0	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	3	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	1	0	0	0	0	0	0
AUGUST								
	1	927	0	0	0	0	0	0
G	2	14	0	0	0	0	0	0
R	3	76	0	0	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21



TABLE 21

NUMBER OF VESSELS IN PORT-USE CLASS LA  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1981

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	0	0	0	0	0	0	0
G	2	0	613	0	0	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	6	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	1	0	0	0	0	0
G	2	0	563	0	0	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	28	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	6	0	0	0	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	0	24	0	0	0	0	0
G	2	0	449	0	0	0	0	0
R	3	0	51	0	0	0	0	0
I	4	0	7	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	1	0	0	0	0	0
	7	0	0	0	0	0	0	0
AUGUST								
	1	0	46	0	0	0	0	0
G	2	0	522	0	0	0	0	0
R	3	0	34	0	0	0	0	0
I	4	0	3	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	2	0	0	0	0	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 22

NUMBER OF VESSELS IN PORT-USE CLASS TX-LA  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1981

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	48	0	0	0	0	0	0
G	2	12	93	7	0	0	0	0
R	3	2	2	8	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	17	153	42	0	0	0	0
R	3	0	0	2	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	1	0	0	0	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	44	3	2	0	0	0	0
G	2	14	29	10	0	0	0	0
R	3	63	3	94	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	1	0	0	0	0	0	0
AUGUST								
	1	154	12	12	0	0	0	0
G	2	6	18	5	0	0	0	0
R	3	10	5	37	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 23

NUMBER OF VESSELS IN PORT-USE CLASS ALA/MS  
ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
YEAR 1981

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	0	0	0	0	0	0	0
G	2	0	0	0	54	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	160	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	19	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	0	0	0	36	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	367	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	37	0	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	0	0	0	2	0	0	0
G	2	0	0	0	37	0	0	0
R	3	0	0	0	4	0	0	0
I	4	0	0	0	320	0	0	0
D	5	0	0	0	1	0	0	0
S	6	0	0	0	36	0	0	0
	7	0	0	0	1	0	0	0
AUGUST								
	1	0	0	0	13	0	0	0
G	2	0	0	0	70	0	0	0
R	3	0	0	0	4	0	0	0
I	4	0	0	0	219	0	0	0
D	5	0	0	0	1	0	0	0
S	6	0	0	0	29	0	0	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 24

NUMBER OF VESSELS IN PORT-USE CLASS ALA/MS-TX  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1981

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	2	0	0	0	0	0	0
G	2	4	0	0	8	0	0	0
R	3	0	0	0	0	1	0	0
I	4	0	0	0	10	0	0	0
D	5	0	0	0	0	1	0	0
S	6	0	0	0	3	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	1	0	0	4	0	0	0
R	3	1	0	0	0	0	0	0
I	4	0	0	0	31	0	0	0
D	5	0	0	0	0	1	0	0
S	6	0	0	0	4	5	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	12	0	0	0	0	0	0
G	2	0	0	0	0	0	0	0
R	3	4	0	0	0	1	0	0
I	4	0	0	0	14	0	0	0
D	5	1	0	0	0	15	0	0
S	6	0	0	0	0	2	0	0
	7	0	0	0	0	4	0	0
AUGUST								
	1	35	0	0	0	3	0	0
G	2	1	0	0	3	0	0	0
R	3	2	0	0	1	2	0	0
I	4	0	0	0	3	0	0	0
D	5	0	0	0	0	3	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	1	2	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 25

NUMBER OF VESSELS IN PORT-USE CLASS ALA/MS-LA  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1981

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	0	0	0	0	0	0	0
G	2	0	42	0	11	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	38	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	5	0	10	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	0	19	0	11	0	3	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	75	0	2	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	4	0	32	0
	7	0	0	0	0	0	0	0
JULY								
	1	0	5	0	0	0	0	0
G	2	0	29	0	19	0	4	0
R	3	0	6	0	1	0	1	0
I	4	0	3	0	39	0	2	0
D	5	0	0	0	0	0	1	0
S	6	0	0	0	12	0	16	0
	7	0	0	0	0	0	1	0
AUGUST								
	1	0	8	0	2	0	1	0
G	2	0	51	0	19	0	6	0
R	3	0	3	0	1	0	5	0
I	4	0	0	0	13	0	0	0
D	5	0	0	0	1	0	1	0
S	6	0	1	0	6	0	19	0
	7	0	0	0	0	0	1	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 26

NUMBER OF VESSELS IN PORT-USE CLASS ALA/MS-LA-TX  
ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
YEAR 1981

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	0	0	0	0	0	0	0
G	2	0	5	0	0	0	0	0
R	3	0	1	0	0	1	0	0
I	4	0	0	0	2	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	2	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	0	1	0	1	0	1	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	9	0	0	0
D	5	0	0	0	0	1	0	0
S	6	0	0	0	1	0	7	0
	7	0	0	0	0	0	0	0
JULY								
	1	4	0	0	0	0	0	0
G	2	1	1	0	0	1	0	1
R	3	2	1	5	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	2	1	0
S	6	0	0	0	0	0	1	0
	7	0	0	0	0	0	1	1
AUGUST								
	1	9	2	1	1	0	0	0
G	2	0	2	0	0	0	0	0
R	3	0	0	1	0	0	2	0
I	4	0	0	0	2	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	1	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 27

YEAR 1982		PORT-USE CLASS	
NUMBER OF VESSELS IN EACH		INSHORE & OFFSHORE	OFFSHORE ONLY
1.	TX-----	1262	1257
2.	LA-----	930	828
3.	TX-LA-----	292	290
4.	ALA/MS-----	575	314
5.	ALA/MS-TX-----	95	82
6.	ALA/MS-LA-----	104	80
7.	ALA/MS-LA-TX-----	40	34
8.	OTHER-----	20	15
9.	TX-OTHER-----	14	14
10.	LA-OTHER-----	2	2
11.	LA-TX-OTHER-----	1	1
12.	ALA/MS-OTHER-----	16	9
13.	ALA/MS-TX-OTHER----	0	0
14.	ALA/MS-LA-OTHER----	0	0
15.	ALA/MS-LA-TX-OTHER----	0	0
	TOTAL-----	3351	2926

TABLE 28

YEAR 1982																
NUMBER OF VESSELS IN EACH PORT-USE CLASS ACCORDING TO GRID USE																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	551	12	4	1	0	0	0	1	4	0	0	0	0	0	0	0
G 2	79	767	23	10	0	0	0	0	0	1	0	0	0	0	0	0
R 3	609	90	247	4	3	3	1	0	7	0	1	0	0	0	0	0
I 4	1	12	0	45A	0	4	0	17	0	0	0	11	0	0	0	0
D 5	5	2	2	7	38	12	3	2	3	0	0	1	0	0	0	0
S 6	1	28	0	83	4	60	1	0	0	0	0	2	0	0	0	0
7	16	19	16	12	50	25	35	0	0	1	0	2	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX
8. OTHER
9. TX-OTHER
10. LA-OTHER
11. LA-TX-OTHER
12. ALA/MS-OTHER
13. ALA/MS-TX-OTHER
14. ALA/MS-LA-OTHER
15. ALA/MS-LA-TX-OTHER

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21



TABLE 29

NUMBER OF VESSELS IN PORT-USE CLASS TX  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1982

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	432	0	0	0	0	0	0
G	2	64	0	0	0	0	0	0
R	3	38	0	0	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	55	0	0	0	0	0	0
G	2	420	0	0	0	0	0	0
R	3	20	0	0	0	0	0	0
I	4	13	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	4	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	565	0	0	0	0	0	0
G	2	101	0	0	0	0	0	0
R	3	313	0	0	0	0	0	0
I	4	1	0	0	0	0	0	0
D	5	4	0	0	0	0	0	0
S	6	1	0	0	0	0	0	0
	7	2	0	0	0	0	0	0
AUGUST								
	1	882	0	0	0	0	0	0
G	2	65	0	0	0	0	0	0
R	3	57	0	0	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 30

NUMBER OF VESSELS IN PORT-USE CLASS LA  
ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
YEAR 1982

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	0	0	0	0	0	0	0
G	2	0	565	0	0	0	0	0
R	3	0	3	0	0	0	0	0
I	4	0	1	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	1	0	0	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	0	575	0	0	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	10	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	8	0	0	0	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	0	25	0	0	0	0	0
G	2	0	424	0	0	0	0	0
R	3	0	51	0	0	0	0	0
I	4	0	7	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	3	0	0	0	0	0
AUGUST								
	1	0	35	0	0	0	0	0
G	2	0	426	0	0	0	0	0
R	3	0	25	0	0	0	0	0
I	4	0	24	0	0	0	0	0
D	5	0	1	0	0	0	0	0
S	6	0	10	0	0	0	0	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 31

NUMBER OF VESSELS IN PORT-USE CLASS TX-LA  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1982

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	47	2	0	0	0	0	0
G	2	16	109	3	0	0	0	0
R	3	9	1	14	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	3	0	0	0	0	0	0
G	2	13	151	61	0	0	0	0
R	3	2	0	6	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	3	0	0	0	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	111	1	0	0	0	0	0
G	2	19	10	4	0	0	0	0
R	3	47	0	71	0	0	0	0
I	4	0	0	0	0	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
AUGUST								
	1	106	24	7	0	0	0	0
G	2	24	31	8	0	0	0	0
R	3	16	7	18	0	0	0	0
I	4	0	7	0	0	0	0	0
D	5	0	1	1	0	0	0	0
S	6	0	6	0	0	0	0	0
	7	0	1	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 32

NUMBER OF VESSELS IN PORT-USE CLASS ALA/MS  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1982

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	0	0	0	0	0	0	0
G	2	0	0	0	38	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	173	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	42	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	0	0	0	10	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	444	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	9	0	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	0	0	0	6	0	0	0
G	2	0	0	0	4	0	0	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	372	0	0	0
D	5	0	0	0	7	0	0	0
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
AUGUST								
	1	0	0	0	6	0	0	0
G	2	0	0	0	28	0	0	0
R	3	0	0	0	5	0	0	0
I	4	0	0	0	313	0	0	0
D	5	0	0	0	1	0	0	0
S	6	0	0	0	14	0	0	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 33

NUMBER OF VESSELS IN PORT-USE CLASS ALA/MS-TX  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1982

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	9	0	0	0	0	0	0
G	2	0	0	0	9	0	0	0
R	3	3	0	0	0	0	0	0
I	4	0	0	0	24	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	10	0	0	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	1	0	0	4	1	0	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	58	2	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	8	9	0	0
	7	0	0	0	0	0	0	0
JULY								
	1	15	0	0	0	1	0	0
G	2	1	0	0	0	0	0	0
R	3	14	0	0	0	0	0	0
I	4	0	0	0	12	0	0	0
D	5	7	0	0	0	36	0	0
S	6	0	0	0	1	1	0	0
	7	0	0	0	0	1	0	0
AUGUST								
	1	47	0	0	0	0	0	0
G	2	3	0	0	12	0	0	0
R	3	2	0	0	2	1	0	0
I	4	0	0	0	16	0	0	0
D	5	0	0	0	0	4	0	0
S	6	0	0	0	2	0	0	0
	7	0	0	0	0	1	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 34

NUMRER OF VESSELS IN PORT-USE CLASS ALA/MS-LA  
 ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE  
 YEAR 1982

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	0	0	0	0	0	0	0
G	2	0	24	0	10	0	4	0
R	3	0	0	0	0	0	0	0
I	4	0	0	0	19	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	0	0	14	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	0	11	0	2	0	1	0
R	3	0	0	0	0	0	0	0
I	4	0	1	0	49	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	1	0	2	0	22	0
	7	0	0	0	0	0	0	0
JULY								
	1	0	4	0	0	0	0	0
G	2	0	11	0	0	0	0	0
R	3	0	7	0	0	0	1	0
I	4	0	0	0	48	0	0	0
D	5	0	0	0	0	0	7	0
S	6	0	0	0	0	0	7	0
	7	0	0	0	0	0	4	0
AUGUST								
	1	0	5	0	0	0	0	0
G	2	0	13	0	9	0	1	0
R	3	0	5	0	2	0	3	0
I	4	0	4	0	21	0	3	0
D	5	0	0	0	1	0	7	0
S	6	0	1	0	5	0	11	0
	7	0	0	0	0	0	0	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

TABLE 35

NUMBER OF VESSELS IN PORT-USE CLASS ALA/MS-LA-TX  
ACCORDING TO WITHIN-MONTH PORT USE AND GRID USE

YEAR 1982

		WITHIN-MONTH PORT-USE						
		1	2	3	4	5	6	7
MAY								
	1	1	1	0	0	0	0	0
G	2	0	7	1	2	0	3	0
R	3	1	0	2	0	0	0	0
I	4	0	0	0	8	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	2	0	4	0
	7	0	0	0	0	0	0	0
JUNE								
	1	0	0	0	0	0	0	0
G	2	0	1	0	1	0	0	0
R	3	1	0	0	0	0	0	0
I	4	0	0	0	19	0	0	0
D	5	0	0	0	0	0	0	0
S	6	0	0	0	1	1	13	1
	7	0	0	0	0	0	0	0
JULY								
	1	5	0	0	0	0	0	0
G	2	1	1	0	0	0	0	0
R	3	6	1	7	0	0	0	0
I	4	0	0	0	1	0	0	0
D	5	0	0	0	0	10	4	1
S	6	0	0	0	0	0	0	0
	7	0	0	0	0	1	1	0
AUGUST								
	1	15	0	0	1	0	0	0
G	2	1	3	0	2	0	0	0
R	3	2	1	2	0	0	1	0
I	4	0	1	0	3	0	0	0
D	5	0	0	0	0	2	1	0
S	6	0	0	0	1	0	0	0
	7	0	0	0	0	0	2	0

## PORT-USE GROUPS

1. TX
2. LA
3. TX-LA
4. ALA/MS
5. ALA/MS-TX
6. ALA/MS-LA
7. ALA/MS-LA-TX

## GRID-USE GROUPS

1. 18-21
2. 13-17
3. 13-17---18-21
4. 10-12
5. 10-12---18-21
6. 10-12---13-17
7. 10-12---13-17---18-21

Table 36. Number of vessels, according to fishing pattern relative to the Texas Closure

Vessel Count Groups		Number of Vessels	
		1981	1982
<u>Non-exclusive groups</u>			
a.	Texas before	293	472
b.	Anywhere during	2,463	2,314
c.	Texas after	1,628	1,692
d.	Elsewhere after	1,442	1,417
<u>Exclusive groups</u>			
1.	Texas before	8	17
2.	Anywhere during	496	432
3.	Texas after	319	280
4.	Elsewhere after	254	231
5.	Texas before Anywhere during	7	14
6.	Texas before Texas after	37	35
7.	Texas before Elsewhere after	0	3
8.	Anywhere during Texas after	626	557
9.	Anywhere during Elsewhere after	750	613
10.	Texas after Elsewhere after	60	98
11.	Texas before Anywhere during Texas after	208	256
12.	Texas before Anywhere during Elsewhere after	0	6
13.	Texas before Texas after Elsewhere after	2	30
14.	Anywhere during Texas after Elsewhere after	345	325
15.	Texas before Anywhere during Texas after Elsewhere after	31	111
Total vessels in the 15 exclusive groups		3,143	3,008
Vessels not in any group*		115	140
Total active vessels, May through August		3,258	3,148

Note: Vessel-count groups a through d are not exclusive. The same vessel could be counted in more than one group.

Vessel-count groups 1 through 15 are exclusive (i.e., the same vessel is not counted in more than one group).

\* Vessels that fished only outside of Texas and before the closure.



Table 37. Vessel groups of particular interest (combinations of exclusive groups), categorized by location and time of trips relative to the Texas closure.

Combined exclusive groups	Fishing during closure		Did not fish during closure		Activity during closure not considered	
	1981	1982	1981	1982	1981	1982
Texas before and after (A)	239	367	(B) 39	65	(C) 278	432
Texas only after (D)	834	813	(E) 356	315	(F) 1,190	1,128
Elsewhere only after (G)	750	619	(H) 254	234	(I) 1,004	853
Texas and elsewhere after (J)	376	436	(K) 60	98	(L) 436	534
Texas or elsewhere after (M)	1,960	1,868	(N) 672	677	(O) 2,632	2,545

Letters in parenthesis refer to footnotes, showing exclusive groups (EG) combined to obtain each value.

## Footnotes to Table 37

	EG	81	82		EG	81	82		EG	81	82
(A)	11	208	256	(B)	6	37	35	(C)	6	37	35
	15	<u>31</u>	<u>111</u>		13	<u>2</u>	<u>30</u>		11	208	256
		239	367			39	65		13	2	30
									15	<u>31</u>	<u>111</u>
										278	432
(D)	8	626	557	(E)	3	319	280	(F)	3	319	280
	11	<u>208</u>	<u>256</u>		6	<u>37</u>	<u>35</u>		6	37	35
		834	813			356	315		8	626	557
									11	<u>208</u>	<u>256</u>
										1,190	1,128
(G)	9	750	613	(H)	4	254	231	(I)	4	254	231
	12	<u>0</u>	<u>6</u>		7	<u>0</u>	<u>3</u>		7	0	3
		750	619			254	234		9	750	613
									12	<u>0</u>	<u>6</u>
										1,004	853
(J)	14	345	325	(K)	10	60	98	(L)	10	60	98
	15	<u>31</u>	<u>111</u>						14	345	325
		376	436						15	<u>31</u>	<u>111</u>
										436	534
(M)	8	626	557	(N)	3	319	280	(O)	3	319	280
	9	750	613		4	254	231		4	254	231
	11	208	256		6	37	35		6	37	35
	12	0	6		7	0	3		7	0	3
	14	345	325		10	60	98		8	626	557
	15	<u>31</u>	<u>111</u>		13	<u>2</u>	<u>30</u>		9	750	613
		1,960	1,868			672	677		10	60	98
									11	208	256
									12	0	6
									13	2	30
									14	345	325
									15	<u>31</u>	<u>111</u>
										2,632	2,545

EG refers to exclusive groups listed by number in Table 36.

Table 38

USE OF OFFSHORE FISHING AREAS (GRIDS) DURING  
THE TEXAS CLOSURE, 1981, BY VESSELS THAT  
FISHED OFFSHORE OF TEXAS AFTER THE CLOSURE

GRIDS	NUMBER OF TRIPS	NUMBER OF VESSELS
1	5	5
2	149	103
3	17	17
4	115	83
5	25	20
6	17	15
7	30	24
8	28	21
9	0	0
10	0	0
11	156	98
12	10	10
13	63	49
14	124	106
15	235	185
16	431	401
17	1301	751
18	48	27
19	30	27
20	42	23
21	10	10
TOTALS	2836	1210*

\* NOT THE SUM OF VESSELS BY GRID

GRIDS	LOCATION OF GRIDS
1-4	SOUTHWEST FLORIDA (DRY TORTUGAS-SANIBEL)
5-9	WEST FLORIDA
10	NORTHWEST FLORIDA-ALABAMA
11	MISSISSIPPI
12	MISSISSIPPI-LOUISIANA (EAST OF MISSISSIPPI RIVER)
13-16	LOUISIANA (WEST OF MISSISSIPPI RIVER)
17	LOUISIANA-EDGE OF EAST TEXAS
18-21	TEXAS

Table 39

**USE OF OFFSHORE FISHING AREAS (GRIDS) DURING  
THE TEXAS CLOSURE, 1982, BY VESSELS THAT  
FISHED OFFSHORE OF TEXAS AFTER THE CLOSURE**

GRIDS	NUMBER OF TRIPS	NUMBER OF VESSELS
1	1	1
2	160	108
3	17	16
4	75	49
5	27	20
6	0	0
7	0	0
8	19	14
9	0	0
10	0	0
11	326	175
12	20	22
13	88	74
14	131	126
15	322	316
16	449	386
17	834	557
18	190	77
19	43	48
20	29	30
21	73	72
22	107	87
TOTALS	2911	1249*

\* NOT THE SUM OF VESSELS BY GRID

GRIDS	LOCATION OF GRIDS
1-4	SOUTHWEST FLORIDA (DRY TORTUGAS-SANIBEL)
5-9	WEST FLORIDA
10	NORTHWEST FLORIDA-ALABAMA
11	MISSISSIPPI
12	MISSISSIPPI-LOUISIANA (EAST OF MISSISSIPPI RIVER)
13-16	LOUISIANA (WEST OF MISSISSIPPI RIVER)
17	LOUISIANA-EDGE OF EAST TEXAS
18-21	TEXAS
22	OTHER AREAS (E.G. OFF THE SOUTH ATLANTIC STATES)

**Table 40. ACTIVITY IN TEXAS FOLLOWING THE TEXAS CLOSURE, 1981**

WEEK	NUMBER OF TRIPS	NUMBER OF VESSELS
1	632	600
2	847	808
3	718	668
4	648	633
5	557	552
6	485	481
7	538	534
TOTALS	4425	1628*

\* NOT THE SUM OF VESSELS BY WEEK

WEEK	DATES
1	JULY 16-27
2	JULY 23-29
3	JULY 30-AUGUST 5
4	AUGUST 6-12
5	AUGUST 13-19
6	AUGUST 20-26
7	AUGUST 27-31

Table 41. ACTIVITY IN TEXAS FOLLOWING THE TEXAS CLOSURE, 1982

WEEK	NUMBER OF TRIPS	NUMBER OF VESSELS
1	565	516
2	812	775
3	716	692
4	503	482
5	506	505
6	485	471
7	263	264
TOTALS	3849	1692*

\* NOT THE SUM OF VESSELS BY WEEK

WEEK	DATES
1	JULY 14-20
2	JULY 21-27
3	JULY 28-AUGUST 3
4	AUGUST 4-10
5	AUGUST 11-17
6	AUGUST 18-24
7	AUGUST 25-31

Table 42

## NUMBER OF VESSELS BY NUMBER OF TRIPS, 1961

CATEGORY LABEL	CODE	ABSOLUTE FREQUENCY	RELATIVE FREQUENCY (PERCENT)	ADJUSTED FREQUENCY (PERCENT)	CUMULATIVE ADJ FREQ (PERCENT)
	0	11	0.7	0.7	0.7
	1	410	25.2	25.2	25.9
	2	350	21.5	21.5	47.4
	3	380	23.3	23.3	70.7
	4	292	17.9	17.9	88.6
	5	137	8.4	8.4	97.1
	6	28	1.7	1.7	98.8
	7	10	0.6	0.6	99.4
	8	5	0.3	0.3	99.7
	9	2	0.1	0.1	99.8
	10	2	0.1	0.1	99.9
	18	1	0.1	0.1	100.0
		-----	-----	-----	
	TOTAL	1628	100.0	100.0	

Table 43

## NUMBER OF VESSELS BY NUMBER OF TRIPS, 1982

CATEGORY LABEL	CODE	ABSOLUTE FREQUENCY	RELATIVE FREQUENCY (PERCENT)	ADJUSTED FREQUENCY (PERCENT)	CUMULATIVE ADJ FREQ (PERCENT)
	0	24	1.4	1.4	1.4
	1	526	31.1	31.1	32.5
	2	500	29.6	29.6	62.1
	3	396	23.4	23.4	85.5
	4	151	8.9	8.9	94.4
	5	60	3.5	3.5	97.9
	6	22	1.3	1.3	99.2
	7	7	0.4	0.4	99.6
	8	1	0.1	0.1	99.7
	9	2	0.1	0.1	99.8
	10	1	0.1	0.1	99.9
	11	1	0.1	0.1	99.9
	13	1	0.1	0.1	100.0
		-----	-----	-----	
TOTAL		1692	100.0	100.0	



Table 44

## NUMBER OF VESSELS BY DAYS BETWEEN FIRST &amp; LAST TRIP, 1981

CODE*	ABSOLUTE FREQUENCY	RELATIVE FREQUENCY (PERCENT)	ADJUSTED FREQUENCY (PERCENT)	CUMULATIVE ADJ FREQ (PERCENT)
0	413	25.4	25.4	25.4
3	6	0.4	0.4	25.7
6	26	1.6	1.6	27.3
9	29	1.8	1.8	29.1
12	40	2.5	2.5	31.6
15	55	3.4	3.4	35.0
18	95	5.8	5.8	40.8
21	91	5.6	5.6	46.4
24	77	4.7	4.7	51.1
27	119	7.3	7.3	58.4
30	130	8.0	8.0	66.4
33	163	10.0	10.0	76.4
36	169	10.4	10.4	86.8
39	149	9.2	9.2	95.9
42	61	3.7	3.7	99.7
45	5	0.3	0.3	100.0
TOTAL	1628	100.0	100.0	

\* Codes are ranges. The value shown is the lower value of the range. Numbers and percentages are listed on the line with the lower value of the range. Figures listed on the line with Code 0 apply to 1 and 2 days (there are no zero days). Figures listed on the line with Code 3 apply to 3, 4, and 5 days.

Table 45

## NUMBER OF VESSELS BY DAYS BETWEEN FIRST &amp; LAST TRIP, 1982

CODE*	ABSOLUTE FREQUENCY	RELATIVE FREQUENCY (PERCENT)	ADJUSTED FREQUENCY (PERCENT)	CUMULATIVE ADJ FREQ (PERCENT)
0	537	31.7	31.7	31.7
3	20	1.2	1.2	32.9
6	33	2.0	2.0	34.9
9	55	3.3	3.3	38.1
12	61	3.6	3.6	41.7
15	68	4.0	4.0	45.7
18	105	6.2	6.2	52.0
21	136	8.0	8.0	60.0
24	113	6.7	6.7	66.7
27	129	7.6	7.6	74.3
30	116	6.9	6.9	81.1
33	124	7.3	7.3	88.5
36	86	5.1	5.1	93.6
39	54	3.2	3.2	96.7
42	41	2.4	2.4	99.2
45	14	0.8	0.8	100.0
TOTAL	1692	100.0	100.0	

\* Codes are ranges. The value shown is the lower value of the range. Numbers and percentages are listed on the line with the lower value of the range. Figures listed on the line with Code 0 apply to 1 and 2 days (there are no zero days). Figures listed on the line with Code 3 apply to 3, 4, and 5 days.